

PATENT  
Attorney Docket No.: SALK 2270-1  
(088802-5202)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Evans et al.

Application No.: 09/227,718

Filing Date: January 8, 1999

For: NOVEL STEROID-ACTIVATED  
NUCLEAR RECEPTORS AND USES  
THEREFOR

Group Art Unit: 1631

Examiner: M. Woodward

**CERTIFICATE OF FACSIMILE TRANSMISSION**

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Name of person mailing paper

Signature

Date

Commissioner for Patents  
Washington, D.C. 20231

**DECLARATION UNDER 37 C.F.R. § 1.132**

Sir:

We, Ronald M. Evans and Bruce Blumberg, being duly warned, hereby declare and say that:

1. I, Ronald M. Evans, am a citizen of the United States, residing in La Jolla, California.
2. I, Bruce Blumberg, am a citizen of the United States, residing in Irvine, California.
3. We are the sole co-inventors of the invention disclosed and claimed in the above-referenced application.
4. Working in collaboration in the laboratory of Ronald M. Evans at the Salk Institute, we isolated a full length steroid xenobiotic receptor (SXR) cDNA clone (hereafter referred to as "SXR clone") from a human liver cDNA library as described in Example 1 (page 43) of the above-referenced application.
5. Since its initial isolation, we have maintained continuous possession of SXR clone, which was initially stored under appropriate conditions in the laboratory of Ronald M. Evans at the Salk Institute.

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6. Following its isolation, we sequenced a representative sample of SXR clone in the laboratory of Ronald M. Evans at the Salk Institute. The nucleic acid and predicted amino acid sequences were presented in the above-referenced application (SEQ ID NO:1 and SEQ NO ID:2).

7. I, Bruce Blumberg, subsequently established a laboratory at the University of California at Irvine, and SXR clone was transported to and has been maintained in my laboratory, where it has been stored under appropriate conditions and remains to the present date.

8. I, Bruce Blumberg, in my laboratory at the University of California at Irvine, along with a graduate student under my supervision, recently obtained nucleic acid sequence information from SXR clone, which information is presented in the nucleic acid and amino acid sequences now published in GenBank and designated as Accession Number AY091855 (provided herewith as Exhibit A).

9. We believe that the events described in paragraphs 4 to 8 demonstrate an unbroken chain of possession and maintenance of SXR clone by us, Bruce Blumberg and Ronald M. Evans. Therefore, the sequences in the original application and published in GenBank (designated as Accession Number AY091855) are derived from the same material, i.e., SXR clone. The minor variation between the sequences is attributed to inaccuracies in the earlier sequencing of the same SXR clone.

10. We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent resulting therefrom.

8/30/02  
Date

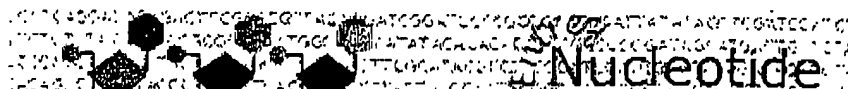
Ronald M. Evans  
Ronald M. Evans

8/12/2002  
Date

Bruce Blumberg  
Bruce Blumberg

## NCBI Sequence Viewer

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PubMed

Nucleotide

Protein

Genome

Structures

PopSet

Taxonomy

OMIM

Box

Search Nucleotide for



Limits

Preview/Index

History

Clipboard

Details



default



1: AY091855. Homo sapiens ster...[gi:21103959]

NEW Links

**LOCUS** AY091855 2020 bp mRNA linear PRI 22-MAY-2002  
**DEFINITION** Homo sapiens steroid and xenobiotic sensing nuclear receptor SXR (NR1I2) mRNA, complete cds.  
**ACCESSION** AY091855  
**VERSION** AY091855.1 GI:21103959  
**KEYWORDS** .  
**SOURCE** Homo sapiens.  
**ORGANISM** Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
**REFERENCE** 1 (bases 1 to 2020)  
**AUTHORS** Blumberg, B., Sabbagh, W. Jr., Juguilon, H., Bolado, J. Jr., van Meter, C.M., Ong, E.S. and Evans, R.M.  
**TITLE** SXR, a novel steroid and xenobiotic-sensing nuclear receptor  
**JOURNAL** Genes Dev. 12 (20), 3195-3205 (1998)  
**MEDLINE** 99003072  
**PUBMED** 9784494  
**REFERENCE** 2 (bases 1 to 2020)  
**AUTHORS** Blumberg, B.  
**TITLE** Direct Submission  
**JOURNAL** Submitted (27-MAR-2002) Dev. and Cell Biology, University of California, Irvine, 5205 McGaugh Hall, Irvine, CA 92697-2300, USA  
**FEATURES**  
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## NCBI Sequence Viewer

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Revised: July 5, 2002.

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Aug 28 2002 15:52:55